HYGIENETECH
Hygiene Technologies International, Inc.
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Torrance, California 90503-1643
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February 9, 2014

California State Board of Equalization
450 N Street
Sacramento, California 94279

Document No. 21401001.1

Attention: David Gau

Regarding: Limited Fungal Growth Exposure Assessment Surveys
January 2014 Random Sampling

Dear Mr. Gau:

On January 8, 17, 24, and 29, 2014, industrial hygienists with Hygiene Technologies International, Inc. (HygieneTech) conducted limited fungal growth exposure assessment surveys involving 22 randomly selected areas located within the California State Board of Equalization (BOE) building. The findings of the surveys, along with the analytical data, conclusions, and recommendations when applicable, appear below.

On the survey dates, air samples were collected for total (viable and nonviable) fungi analyses using a Zefon brand Bio-Pump Plus™ equipped with Air-O-Cell™ cassettes. All such samples were subsequently analyzed for fungi (including yeasts, molds, rusts, smuts, and mushrooms) by trained and experienced microbiologists at a laboratory accredited by the American Industrial Hygiene Association (AIHA) and that successfully participates in the AIHA Environmental Microbiology Proficiency Analytical Testing (EMPAT) Program. The airborne fungi assessment analytical data with supporting and background information appear in the enclosed table.

As presented in Table 21401001-1, the airborne spore count data recorded showed fungal spore types outdoors such as *Alternaria*, ascospores, basidiospores, C*haetomium*, *Cladosporium*, colorless spores typical of *Penicillium*/*Aspergillus* species*, Epicoccum,* other brown, other colorless, *Nigrospora,* rusts, smuts, and/or *Stachybotrys.* In the indoor areas tested, the data showed that airborne fungal spores were either not detected at or above the laboratory detection limit indicated or were detected at low airborne concentrations. The fungal spore types found indoor included *Alternaria*, basidiospores, *Cladosporium*, *Curvularia*, *Epicoccum, Oidium,* other brown*, Nigrospora,* rusts, and/or smuts. The distribution of fungal spore types detected in the surveyed areas was consistent with those found outdoors, and the overall data within the tested areas were well below the overall outdoor data recorded. These data are considered unremarkable and are not believed to pose a health risk beyond that posed by the outdoor environment where exposures to airborne fungi are expected.

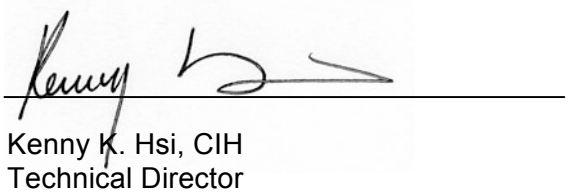
Be advised that the data provided in this report only represent limited fungal growth and exposure potentials that existed at the time these surveys were performed and at the precise sample locations

indicated. Note that fungal growth and exposure potentials may change due to changes in environmental conditions (such as those caused by water intrusion), use of mechanical systems, or other factors. Also be advised that additional fungal growth may exist at one or more locations in the structure that were not specifically assessed during the surveys.

If you have any comments or questions regarding the information contained in this correspondence, please feel free to contact our offices directly at (310) 370-8370.

Sincerely,

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.



Kenny K. Hsi, CIH
Technical Director

HYGIENE TECHNOLOGIES INTERNATIONAL, INC.

APPENDIX A

CLIENT: California State Board of Equalization
450 N Street
Sacramento, California 94279

TABLE 21401001-1
AIRBORNE TOTAL FUNGI RESULTS
450 N STREET
SACRAMENTO, CALIFORNIA
JANUARY 8, 17, 24, AND 29, 2013

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	21401001-1 TM01OUT	21401001-1 TM02	21401001-1 TM03	21401001-1 TM04
SAMPLING LOCATION/ACTIVITIES	Outdoors; about 15 feet east of building; approximately five feet above ground/Normal outdoor activities	2nd Floor; Elevator Lobby; about center; approximately five feet above floor/Normal office activities	5th Floor; southeastern corridor area; about two feet north of Room 515 entry door; approximately five feet above floor/Normal office activities	8th Floor; Column K20 area; about seven feet north of Column K20; approximately five feet above floor/Normal office activities
DATE	01/08/14	01/08/14	01/08/14	01/08/14
START/STOP	15:45:00/15:50:00	15:53:00/15:58:00	16:02:00/16:07:00	16:10:00/16:15:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria	40			
Ascospores				
Basidiospores	160			
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	1,600		160	53
Curvularia				
Epicoccum				
Fusarium				
Nigrospora	13			
Oidium				
Other brown	13			
Other colorless				
Penicillium/Aspergillus types	1,000			
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)	40			
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	67	<13	13	<13
Background debris*	2+	2+	2+	2+
TOTAL**	2,900	<13	160	53

*Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

**Note that all reported counts have been rounded to no more than two significant figures based on the sampling and analytical methods used, and therefore the total count may not equal the sum of the individual counts in a column.

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SACRAMENTO, CALIFORNIA
JANUARY 8, 17, 24, AND 29, 2013

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	21401001-1 TM05	21401001-1 TM06	21401001-1 TM07	21401001-1 TM08OUT
SAMPLING LOCATION/ACTIVITIES	10th Floor; Column N18 area; about five feet south of Cubicle 102; approximately five feet above floor/Normal office activities	16th Floor; Break Room 1616; about center; approximately five feet above floor/Normal office activities	17th Floor; Elevator Lobby; about center; approximately five feet above floor/Normal office activities	Outdoors; about 15 feet west of building; approximately five feet above ground/Normal outdoor activities
DATE	01/08/14	01/08/14	01/08/14	01/17/14
START/STOP	16:19:00/16:24:00	16:35:00/16:40:00	16:43:00/16:48:00	09:56:00/10:01:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Ascospores				53
Basidiospores			53	590
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium		53	53	4,100
Curvularia				
Epicoccum				13
Fusarium				
Nigrospora			13	
Oidium				
Other colorless				40
Penicillium/Aspergillus types				910
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				53
Stachybotrys				
Stemphylium				
Torula				
Trichocladium				
Ulocladium				
Zygomycetes				
Hyphal fragments	<13	13	13	53
Background debris*	2+	2+	2+	2+
TOTAL**	<13	53	120	5,800

*Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

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SACRAMENTO, CALIFORNIA
JANUARY 8, 17, 24, AND 29, 2013

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	21401001-1 TM09	21401001-1 TM10	21401001-1 TM11	21401001-1 TM12
SAMPLING LOCATION/ACTIVITIES	3rd Floor; Elevator Lobby; about center; approximately five feet above floor/Normal office activities	7th Floor; about five feet south of Freight Elevator; approximately five feet above floor/Normal office activities	14th Floor; Conference Room 1406; about five feet south of entry door; approximately five feet above floor/Normal office activities	18th Floor; Mail Room 18B; about center; approximately five feet above floor/Normal office activities
DATE	01/17/14	01/17/14	01/17/14	01/17/14
START/STOP	10:09:00/10:14:00	10:17:00/10:22:00	10:29:00/10:34:00	10:42:00/10:47:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Arthrinium				
Ascospores				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	270			53
Curvularia	13			
Epicoccum				
Fusarium				
Nigrospora	13			
Oidium				
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts	13			
Smuts (Periconia, Myxomycetes)	13			
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	<13	13	<13	<13
Background debris*	2+	1+	1+	1+
TOTAL**	320	<13	<13	53

*Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

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JANUARY 8, 17, 24, AND 29, 2013

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	21401001-1 TM13	21401001-1 TM14OUT	21401001-1 TM15	21401001-1 TM16
SAMPLING LOCATION/ACTIVITIES	21st Floor; southern corridor at western end; approximately five feet above floor/Normal office activities	Outdoors; about 10 feet south of building; approximately five feet above ground/Normal outdoor activities	4th Floor, Conference Room 408; approximately five feet above floor/Normal office activities	9th Floor; Elevator Lobby; about center; approximately five feet above floor/Normal office activities
DATE	01/17/14	01/24/14	01/24/14	01/24/14
START/STOP	10:51:00/10:56:00	14:14:00/14:19:00	14:25:00/14:30:00	14:34:00/14:39:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria		40		13
Ascospores		110		
Basidiospores		370		
Bipolaris/Drechslera group				
Botrytis				
Chaetomium		13		
Cladosporium	53	3,100	320	110
Curvularia			13	
Epicoccum				13
Myrothecium				
Nigrospora		13		
Oidium			13	13
Other colorless				
Penicillium/Aspergillus types		210		
Pithomyces				
Rusts		13		
Smuts (Periconia, Myxomycetes)	13	80	13	13
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Zygomycetes				
Hyphal fragments	13	160	<13	13
Background debris*	1+	3+	2+	2+
TOTAL**	67	4,000	360	160

*Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

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JANUARY 8, 17, 24, AND 29, 2013

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	21401001-1 TM17	21401001-1 TM18	21401001-1 TM19	21401001-1 TM20OUT
SAMPLING LOCATION/ACTIVITIES	11th Floor; Low-Rise Elevator Lobby; about center; approximately five feet above floor/Normal office activities	20th Floor; Column K21 area; about two feet east of Column K21; approximately five feet above floor/Normal office activities	24th Floor; Room 2423; about two feet west of entry door; approximately five feet above floor/Normal office activities	Outdoors; about 15 feet east of building; approximately five feet above ground/Normal outdoor activities
DATE	01/24/14	01/24/14	01/24/14	01/29/14
START/STOP	14:41:00/14:46:00	14:49:00/14:54:00	14:57:00/15:02:00	09:08:00/09:13:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				
Ascospores				210
Basidiospores				270
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium			110	480
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				
Oidium	13			80
Other brown				
Penicillium/Aspergillus types				110
Pithomyces				
Rusts				13
Smuts (Periconia, Myxomycetes)	40			
Stachybotrys				13
Torula				
Ulocladium				
Zygomycetes				
Hyphal fragments	<13	<13	13	27
Background debris*	2+	1+	1+	2+
TOTAL**	53	<13	110	1,200

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JANUARY 8, 17, 24, AND 29, 2013

Results reported in spores per cubic meter of air (spores/M^3)

SAMPLE NUMBER	21401001-1 TM21	21401001-1 TM22	21401001-1 TM23	21401001-1 TM24
SAMPLING LOCATION/ACTIVITIES	1st Floor; Print Room 135; about center; approximately five feet above floor/Normal office activities	6th Floor; Conference Room 619; entry area; approximately five feet above floor/Normal office activities	15th Floor; Column K22 area; about 15 feet northeast of Column K22; approximately feet above floor/Normal office activities	19th Floor; Column M23 area; Cubicle at Column M23; entry area; approximately five feet above floor/Normal office activities
DATE	01/29/14	01/29/14	01/29/14	01/29/14
START/STOP	09:16:00/09:21:00	09:25:00/09:30:00	09:33:00/09:38:00	09:43:00/09:48:00
SAMPLE TIME	5 minutes	5 minutes	5 minutes	5 minutes
Alternaria				13
Ascospores				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium			13	53
Curvularia				
Epicoccum				13
Fusarium				
Myrothecium				
Nigrospora				
Oidium				
Other brown				
Penicillium/Aspergillus types				
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	13	<13	<13	<13
Background debris*	1+	2+	2+	2+
TOTAL**	<13	<13	13	80

*Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

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450 N STREET
SACRAMENTO, CALIFORNIA
JANUARY 8, 17, 24, AND 29, 2013

SAMPLE NUMBER	**21401001-1 TM25**	**21401001-1 TM26**		
SAMPLING LOCATION/ACTIVITIES	22nd Floor; Room 2211; entry area; approximately five feet above floor/Normal office activities	23rd Floor; northwest stairwell area; approximately five feet above floor/Normal office activities	This column intentionally left blank	This column intentionally left blank
DATE	01/29/14	01/29/14		
START/STOP	09:51:00/09:56:00	09:58:00/10:03:00		
SAMPLE TIME	5 minutes	5 minutes		
Alternaria				
Ascospores				
Basidiospores				
Bipolaris/Drechslera group				
Botrytis				
Chaetomium				
Cladosporium	53			
Curvularia				
Epicoccum				
Fusarium				
Myrothecium				
Nigrospora				
Oidium				
Other brown	13			
Penicillium/Aspergillus types				
Pithomyces				
Rusts				
Smuts (Periconia, Myxomycetes)				
Stachybotrys				
Stemphylium				
Torula				
Ulocladium				
Hyphal fragments	<13	<13		
Background debris*	2+	2+		
TOTAL**	67	<13		

*Background debris is an indication of the amount of non-biological particulate matter present on the slide and is graded (from least to greatest) as 1+ to 4+.

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EMLab P&K
A TestAmerica Company

Report for:

Mr. Kenny Hsi, Mr. Larry Sandhu
Hygiene Technologies International, Inc.
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 21401001-1
EML ID: 1157824

Approved by:

Technical Manager
Melissa Tracey

Dates of Analysis:
Spore trap analysis: 01-10-2014

Service SOPs: Spore trap analysis (1038)
AIHA-LAP, LLC accredited service, Lab ID #179768

EMLab P&K
880 Riverside Parkway, West Sacramento, CA 95605
(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
Re: 21401001-1

Date of Sampling: 01-08-2014
Date of Receipt: 01-09-2014
Date of Report: 01-10-2014

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21401001-1 TM01 OUT		21401001-1 TM02		21401001-1 TM03		21401001-1 TM04	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	5234918-1		5234919-1		5234920-1		5234921-1	
Analysis Date:	01/10/2014		01/10/2014		01/10/2014		01/10/2014	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	3	40						
Ascospores								
Basidiospores	3	160						
Chaetomium								
Cladosporium	30	1,600			3	160	1	53
Curvularia								
Epicoccum								
Fusarium								
Myrothecium								
Nigrospora	1	13						
Other brown	1	13						
Other colorless								
Penicillium/Aspergillus types†	19	1,000						
Pithomyces								
Rusts								
Smuts, Periconia, Myxomycetes	3	40						
Stachybotrys								
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		2+		2+		2+	
Hyphal fragments/m3	67		< 13		13		< 13	
Pollen/m3	110		< 13		< 13		< 13	
Skin cells (1-4+)	< 1+		1+		1+		1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		2,900		< 13		160		53

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".
§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

EMLab P&K
880 Riverside Parkway, West Sacramento, CA 95605
(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
Re: 21401001-1

Date of Sampling: 01-08-2014
Date of Receipt: 01-09-2014
Date of Report: 01-10-2014

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21401001-1 TM05		21401001-1 TM06		21401001-1 TM07	
Comments (see below)	None		None		None	
Lab ID-Version‡:	5234922-1		5234923-1		5234924-1	
Analysis Date:	01/10/2014		01/10/2014		01/10/2014	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria						
Ascospores						
Basidiospores					1	53
Botrytis						
Chaetomium						
Cladosporium			1	53	1	53
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other brown					1	13
Other colorless						
Penicillium/Aspergillus types†						
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		2+		2+	
Hyphal fragments/m3	< 13		13		13	
Pollen/m3	< 13		< 13		< 13	
Skin cells (1-4+)	1+		1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		< 13		53		120

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
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Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
Re: 21401001-1

Date of Sampling: 01-08-2014
Date of Receipt: 01-09-2014
Date of Report: 01-10-2014

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 21401001-1 TM01 OUT

Fungi Identified	Outdoor data	Typical Outdoor Data for: January in California† (n‡=15005)						Typical Outdoor Data for: The entire year in California† (n‡=188141)					
	spores/m3	very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	40	13	13	22	47	67	36	13	13	27	67	110	54
Bipolaris/Drechslera group	-	7	13	13	27	27	7	7	13	13	27	40	12
Chaetomium	-	7	13	13	27	40	10	8	13	13	27	47	19
Cladosporium	1,600	110	160	480	1,200	2,000	95	110	210	630	1,700	2,800	97
Curvularia	-	7	13	13	13	27	3	7	13	13	27	53	6
Nigrospora	13	7	13	13	13	27	5	7	13	13	27	53	8
Other brown	13	13	13	13	33	53	30	13	13	13	40	53	34
Penicillium/Aspergillus types	1,000	53	110	230	620	1,000	85	53	100	210	590	1,000	85
Stachybotrys	-	10	13	13	40	93	3	7	13	13	33	67	4
Torula	-	10	13	13	40	53	5	8	13	13	40	67	12
Seldom found growing indoors**													
Ascospores	-	27	53	160	560	1,100	69	25	53	110	360	690	71
Basidiospores	160	53	110	480	2,300	4,800	94	53	80	270	1,000	2,400	93
Rusts	-	8	13	13	40	67	14	13	13	13	53	80	27
Smuts, Periconia, Myxomycetes	40	13	13	27	67	110	58	13	13	40	110	200	68
§ TOTAL SPORES/m3	2,900												

†The 'Typical Outdoor Data' represents the typical outdoor spore levels for the location and time frame indicated. The last column represents the frequency of occurrence. The very low, low, med, high, and very high values represent the 10, 20, 50, 80, and 90 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 20% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

* The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.
** These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

‡n = number of samples used to calculate data.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, EMLab P&K may not have received and tested a representative number of samples for every region or time period. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.

EMLab P&K
880 Riverside Parkway, West Sacramento, CA 95605
(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
Re: 21401001-1

Date of Sampling: 01-08-2014
Date of Receipt: 01-09-2014
Date of Report: 01-10-2014

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 21401001-1 TM01 OUT:

Species detected	Outdoor sample spores/m3 (<100 / 1K / 10K / >100K)	Typical outdoor ranges (North America)	Freq. %
Alternaria	40	7 - 33 - 590	45
Ascospores	< 13	13 - 210 - 5,700	77
Basidiospores	160	17 - 450 - 24,000	92
Cladosporium	1,600	27 - 480 - 10,000	90
Nigrospora	13	7 - 13 - 240	16
Other brown	13	7 - 13 - 130	24
Penicillium/Aspergillus types	1,000	13 - 170 - 2,700	68
Smuts, Periconia, Myxomycetes	40	7 - 53 - 930	64
Total	2,900		

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurence is 63%, it would mean that we typically detect the given spore type on 63 percent of all outdoor samples and, when detected, 2.5% of the time it is present in levels below 53 spores/m3.

Indoor Samples

Location: 21401001-1 TM02

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 5 Result: 4.8571 Critical value: 11.0705 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
None Detected	< 13

Location: 21401001-1 TM03

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 5%	dF: 5 Result: 4.8571 Critical value: 11.0705 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.7054 Critical value: 0.6786 Outside Similar: Yes	Score: 105 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Cladosporium	160
Total	160

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Re: 21401001-1

Date of Sampling: 01-08-2014
Date of Receipt: 01-09-2014
Date of Report: 01-10-2014

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21401001-1 TM04

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 5 Result: 4.8571 Critical value: 11.0705 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.7054 Critical value: 0.6786 Outside Similar: Yes	Score: 101 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Cladosporium	53
Total	53

Location: 21401001-1 TM05

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 5 Result: 4.8571 Critical value: 11.0705 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
None Detected	< 13

Location: 21401001-1 TM06

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 5 Result: 4.8571 Critical value: 11.0705 Inside Similar: Yes	Result: 0.2500	dF: 7 Result: 0.7054 Critical value: 0.6786 Outside Similar: Yes	Score: 101 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Cladosporium	53
Total	53

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Re: 21401001-1

Date of Sampling: 01-08-2014
Date of Receipt: 01-09-2014
Date of Report: 01-10-2014

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21401001-1 TM07

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 4%	dF: 5 Result: 4.8571 Critical value: 11.0705 Inside Similar: Yes	Result: 0.6000	dF: 7 Result: 0.4643 Critical value: 0.6786 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Basidiospores	53
Cladosporium	53
Other brown	13
Total	120

* The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

** An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

*** The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

**** MoldSCORE™ is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. EMLab P&Kreserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor ranges" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. With the statistical analysis provided, as with all statistical comparisons and analyses, false-positive and false-negative results can and do occur. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the data contained in, or any actions taken or omitted in reliance upon, this report.

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Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
Re: 21401001-1

Date of Sampling: 01-08-2014
Date of Receipt: 01-09-2014
Date of Report: 01-10-2014

MoldSCORE™: Spore Trap Report

Outdoor Sample: 21401001-1 TM01 OUT

Fungi Identified	Outdoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3
Generally able to grow indoors*			
Alternaria		3	40
Bipolaris/Drechslera group		ND	< 13
Chaetomium		ND	< 13
Cladosporium		30	1,600
Curvularia		ND	< 13
Nigrospora		1	13
Other brown		1	13
Penicillium/Aspergillus types†		19	1,000
Stachybotrys		ND	< 13
Torula		ND	< 13
Seldom found growing indoors**			
Ascospores		ND	< 13
Basidiospores		3	160
Rusts		ND	< 13
Smuts, Periconia, Myxomycetes		3	40
Total			**2,880**

Location: 21401001-1 TM02

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**N/A**	**Final MoldSCORE**	**100**

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Re: 21401001-1

Date of Sampling: 01-08-2014
Date of Receipt: 01-09-2014
Date of Report: 01-10-2014

MoldSCORE™: Spore Trap Report

Location: 21401001-1 TM03

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		3	160		105
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**160**	**Final MoldSCORE**	**105**

Location: 21401001-1 TM04

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		102
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**53**	**Final MoldSCORE**	**102**

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Re: 21401001-1

Date of Sampling: 01-08-2014
Date of Receipt: 01-09-2014
Date of Report: 01-10-2014

MoldSCORE™: Spore Trap Report

Location: 21401001-1 TM05

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**N/A**	**Final MoldSCORE**	**100**

Location: 21401001-1 TM06

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		102
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**53**	**Final MoldSCORE**	**102**

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Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
Re: 21401001-1

Date of Sampling: 01-08-2014
Date of Receipt: 01-09-2014
Date of Report: 01-10-2014

MoldSCORE™: Spore Trap Report

Location: 21401001-1 TM07

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Other brown		1	13		105
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		1	53		105
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**120**	**Final MoldSCORE**	**105**

* The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.
** These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

†The spores of Aspergillus and Penicillium (and others such as Acremonium, Paecilomyces) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods.

‡Rated on a scale from 100 to 300. A rating less than 150 is low and indicates a low probability of spores originating inside. A rating greater than 250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A rating between 150 and 250 indicates a moderate likelihood of indoor fungal growth. MoldSCORE is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the analysis on other samples (like wall cavity samples) will lead to misleading results.

EMLab P&K
A TestAmerica Company

Report for:

Mr. Larry Sandhu
Hygiene Technologies International, Inc.
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 21401001-1
EML ID: 1161045

Approved by:

Technical Manager
Melissa Tracey

Dates of Analysis:
Spore trap analysis: 01-17-2014

Service SOPs: Spore trap analysis (1038)
AIHA-LAP, LLC accredited service, Lab ID #179768

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

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Client: Hygiene Technologies International, Inc.
C/O: Mr. Larry Sandhu
Re: 21401001-1

Date of Sampling: 01-17-2014
Date of Receipt: 01-17-2014
Date of Report: 01-20-2014

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21401001-TM08 OUT		21401001-TM09		21401001-TM10	
Comments (see below)	None		None		None	
Lab ID-Version‡:	5252059-1		5252060-1		5252061-1	
Analysis Date:	01/17/2014		01/17/2014		01/17/2014	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Ascospores	1	53				
Basidiospores	11	590				
Bipolaris/Drechslera group						
Botrytis						
Chaetomium						
Cladosporium	77	4,100	5	270		
Curvularia			1	13		
Epicoccum	1	13				
Fusarium						
Myrothecium						
Nigrospora			1	13		
Other colorless	3	40				
Penicillium/Aspergillus types†	17	910				
Pithomyces						
Rusts			1	13		
Smuts, Periconia, Myxomycetes	4	53	1	13		
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		2+		1+	
Hyphal fragments/m3	53		< 13		13	
Pollen/m3	93		< 13		< 13	
Skin cells (1-4+)	< 1+		< 1+		< 1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		5,800		320		< 13

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".
§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

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Client: Hygiene Technologies International, Inc.
C/O: Mr. Larry Sandhu
Re: 21401001-1

Date of Sampling: 01-17-2014
Date of Receipt: 01-17-2014
Date of Report: 01-20-2014

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21401001-TM11		21401001-TM12		21401001-TM13	
Comments (see below)	None		None		None	
Lab ID-Version‡:	5252062-1		5252063-1		5252064-1	
Analysis Date:	01/17/2014		01/17/2014		01/17/2014	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Ascospores						
Basidiospores						
Bipolaris/Drechslera group						
Botrytis						
Chaetomium						
Cladosporium			1	53	1	53
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Other colorless						
Penicillium/Aspergillus types†						
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes					1	13
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	1+		1+		1+	
Hyphal fragments/m3	< 13		< 13		13	
Pollen/m3	< 13		< 13		< 13	
Skin cells (1-4+)	< 1+		< 1+		< 1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		< 13		53		67

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".
§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

EMLab P&K
880 Riverside Parkway, West Sacramento, CA 95605
(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: Hygiene Technologies International, Inc.
C/O: Mr. Larry Sandhu
Re: 21401001-1

Date of Sampling: 01-17-2014
Date of Receipt: 01-17-2014
Date of Report: 01-20-2014

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 21401001-TM08 OUT

Fungi Identified	Outdoor data	Typical Outdoor Data for: January in California† (n‡=15005)						Typical Outdoor Data for: The entire year in California† (n‡=199769)					
	spores/m3	very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	-	13	13	22	47	67	36	13	13	27	67	110	54
Bipolaris/Drechslera group	-	7	13	13	27	27	7	7	13	13	27	40	12
Chaetomium	-	7	13	13	27	40	10	8	13	13	27	47	19
Cladosporium	4,100	110	160	480	1,200	2,000	95	110	210	610	1,600	2,800	97
Curvularia	-	7	13	13	13	27	3	7	13	13	27	53	6
Epicoccum	13	7	13	13	27	53	13	8	13	13	33	53	19
Nigrospora	-	7	13	13	13	27	5	7	13	13	27	53	8
Other colorless	40	13	13	13	27	53	5	10	13	13	27	53	5
Penicillium/Aspergillus types	910	53	110	230	620	1,000	85	53	100	210	590	1,000	84
Stachybotrys	-	10	13	13	40	93	3	7	13	13	33	67	4
Torula	-	10	13	13	40	53	5	8	13	13	40	67	12
Seldom found growing indoors**													
Ascospores	53	27	53	160	560	1,100	69	25	53	110	360	690	71
Basidiospores	590	53	110	480	2,300	4,800	94	53	80	270	990	2,300	93
Rusts	-	8	13	13	40	67	14	13	13	13	53	80	26
Smuts, Periconia, Myxomycetes	53	13	13	27	67	110	58	13	13	40	110	210	68
§ TOTAL SPORES/m3	5,800												

†The 'Typical Outdoor Data' represents the typical outdoor spore levels for the location and time frame indicated. The last column represents the frequency of occurrence. The very low, low, med, high, and very high values represent the 10, 20, 50, 80, and 90 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 20% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

* The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.
** These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

‡n = number of samples used to calculate data.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, EMLab P&K may not have received and tested a representative number of samples for every region or time period. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.

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Date of Sampling: 01-17-2014
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MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 21401001-TM08 OUT:

Species detected	Outdoor sample spores/m3 (<100 / 1K / 10K / >100K)	Typical outdoor ranges (North America)	Freq. %
Ascospores	53	13 - 210 - 5,700	76
Basidiospores	590	15 - 450 - 24,000	92
Cladosporium	4,100	27 - 480 - 10,000	90
Epicoccum	13	7 - 20 - 330	25
Other colorless	40	7 - 27 - 670	4
Penicillium/Aspergillus types	910	13 - 170 - 2,700	68
Smuts, Periconia, Myxomycetes	53	7 - 53 - 930	64
Total	5,800		

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurence is 63%, it would mean that we typically detect the given spore type on 63 percent of all outdoor samples and, when detected, 2.5% of the time it is present in levels below 53 spores/m3.

Indoor Samples

Location: 21401001-TM09

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 5%	dF: 4 Result: 10.1200 Critical value: 9.4877 Inside Similar: No	Result: 0.3333	dF: 10 Result: -0.0303 Critical value: 0.5515 Outside Similar: No	Score: 112 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Cladosporium	270
Curvularia	13
Nigrospora	13
Rusts	13
Smuts, Periconia, Myxomycetes	13
Total	320

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21401001-TM10

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 4 Result: 10.1200 Critical value: 9.4877 Inside Similar: No	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
None Detected	< 13

Location: 21401001-TM11

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 4 Result: 10.1200 Critical value: 9.4877 Inside Similar: No	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
None Detected	< 13

Location: 21401001-TM12

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 4 Result: 10.1200 Critical value: 9.4877 Inside Similar: No	Result: 0.2500	dF: 7 Result: 0.6964 Critical value: 0.6786 Outside Similar: Yes	Score: 101 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Cladosporium	53
Total	53

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21401001-TM13

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 4 Result: 10.1200 Critical value: 9.4877 Inside Similar: No	Result: 0.4444	dF: 7 Result: 0.5625 Critical value: 0.6786 Outside Similar: No	Score: 102 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Cladosporium	53
Smuts, Periconia, Myxomycetes	13
Total	67

* The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

** An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

*** The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

**** MoldSCORE™ is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. EMLab P&Kreserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor ranges" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. With the statistical analysis provided, as with all statistical comparisons and analyses, false-positive and false-negative results can and do occur. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the data contained in, or any actions taken or omitted in reliance upon, this report.

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MoldSCORE™: Spore Trap Report

Outdoor Sample: 21401001-TM08 OUT

Fungi Identified	Outdoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3
Generally able to grow indoors*			
Alternaria		ND	< 13
Bipolaris/Drechslera group		ND	< 13
Chaetomium		ND	< 13
Cladosporium		77	4,100
Curvularia		ND	< 13
Epicoccum		1	13
Nigrospora		ND	< 13
Other colorless		3	40
Penicillium/Aspergillus types†		17	910
Stachybotrys		ND	< 13
Torula		ND	< 13
Seldom found growing indoors**			
Ascospores		1	53
Basidiospores		11	590
Rusts		ND	< 13
Smuts, Periconia, Myxomycetes		4	53
Total			**5,760**

Location: 21401001-TM09

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		5	270		103
Curvularia		1	13		105
Nigrospora		1	13		105
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Rusts		1	13		105
Smuts, Periconia, Myxomycetes		1	13		102
Total			**320**	**Final MoldSCORE**	**112**

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MoldSCORE™: Spore Trap Report

Location: 21401001-TM10

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**N/A**	**Final MoldSCORE**	**100**

Location: 21401001-TM11

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**N/A**	**Final MoldSCORE**	**100**

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MoldSCORE™: Spore Trap Report

Location: 21401001-TM12

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		101
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**53**	**Final MoldSCORE**	**101**

Location: 21401001-TM13

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		1	13		102
Total			**67**	**Final MoldSCORE**	**102**

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Re: 21401001-1

Date of Sampling: 01-17-2014
Date of Receipt: 01-17-2014
Date of Report: 01-20-2014

MoldSCORE™: Spore Trap Report

* The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.
** These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

†The spores of Aspergillus and Penicillium (and others such as Acremonium, Paecilomyces) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods.

‡Rated on a scale from 100 to 300. A rating less than 150 is low and indicates a low probability of spores originating inside. A rating greater than 250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A rating between 150 and 250 indicates a moderate likelihood of indoor fungal growth. MoldSCORE is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the analysis on other samples (like wall cavity samples) will lead to misleading results.

EMLab P&K
A TestAmerica Company

Report for:

Mr. Larry Sandhu
Hygiene Technologies International, Inc.
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 21401001-1
EML ID: 1163853

Approved by:

Technical Manager
Melissa Tracey

Dates of Analysis:
Spore trap analysis: 01-27-2014

Service SOPs: Spore trap analysis (1038)
AIHA-LAP, LLC accredited service, Lab ID #179768

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Client: Hygiene Technologies International, Inc.
C/O: Mr. Larry Sandhu
Re: 21401001-1

Date of Sampling: 01-24-2014
Date of Receipt: 01-24-2014
Date of Report: 01-27-2014

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21401001-1 TM14OUT		21401001-1 TM15		21401001-1 TM16	
Comments (see below)	None		None		None	
Lab ID-Version‡:	5265349-1		5265350-1		5265351-1	
Analysis Date:	01/27/2014		01/27/2014		01/27/2014	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	3	40			1	13
Ascospores	2	110				
Basidiospores	7	370				
Chaetomium	1	13				
Cladosporium	59	3,100	6	320	2	110
Curvularia			1	13		
Epicoccum					1	13
Fusarium						
Myrothecium						
Nigrospora	1	13				
Oidium			1	13	1	13
Other colorless						
Penicillium/Aspergillus types†	4	210				
Pithomyces						
Rusts	1	13				
Smuts, Periconia, Myxomycetes	6	80	1	13	1	13
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	3+		2+		2+	
Hyphal fragments/m3	160		< 13		13	
Pollen/m3	130		< 13		< 13	
Skin cells (1-4+)	< 1+		1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		4,000		360		160

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".
§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

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Date of Sampling: 01-24-2014
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Date of Report: 01-27-2014

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21401001-1 TM17		21401001-1 TM18		21401001-1 TM19	
Comments (see below)	None		None		None	
Lab ID-Version‡:	5265352-1		5265353-1		5265354-1	
Analysis Date:	01/27/2014		01/27/2014		01/27/2014	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria						
Ascospores						
Basidiospores						
Chaetomium						
Cladosporium					2	110
Curvularia						
Epicoccum						
Fusarium						
Myrothecium						
Nigrospora						
Oidium	1	13				
Other colorless						
Penicillium/Aspergillus types†						
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes	3	40				
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		1+		1+	
Hyphal fragments/m3	< 13		< 13		13	
Pollen/m3	27		< 13		40	
Skin cells (1-4+)	1+		< 1+		< 1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		53		< 13		110

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
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§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

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Re: 21401001-1

Date of Sampling: 01-24-2014
Date of Receipt: 01-24-2014
Date of Report: 01-27-2014

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 21401001-1 TM14OUT

Fungi Identified	Outdoor data	Typical Outdoor Data for: January in California† (n‡=15005)						Typical Outdoor Data for: The entire year in California† (n‡=199769)					
	spores/m3	very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	40	13	13	22	47	67	36	13	13	27	67	110	54
Bipolaris/Drechslera group	-	7	13	13	27	27	7	7	13	13	27	40	12
Chaetomium	13	7	13	13	27	40	10	8	13	13	27	47	19
Cladosporium	3,100	110	160	480	1,200	2,000	95	110	210	610	1,600	2,800	97
Curvularia	-	7	13	13	13	27	3	7	13	13	27	53	6
Epicoccum	-	7	13	13	27	53	13	8	13	13	33	53	19
Nigrospora	13	7	13	13	13	27	5	7	13	13	27	53	8
Penicillium/Aspergillus types	210	53	110	230	620	1,000	85	53	100	210	590	1,000	84
Stachybotrys	-	10	13	13	40	93	3	7	13	13	33	67	4
Torula	-	10	13	13	40	53	5	8	13	13	40	67	12
Seldom found growing indoors**													
Ascospores	110	27	53	160	560	1,100	69	25	53	110	360	690	71
Basidiospores	370	53	110	480	2,300	4,800	94	53	80	270	990	2,300	93
Oidium	-	13	13	13	40	53	9	13	13	13	44	75	19
Rusts	13	8	13	13	40	67	14	13	13	13	53	80	26
Smuts, Periconia, Myxomycetes	80	13	13	27	67	110	58	13	13	40	110	210	68
§ TOTAL SPORES/m3	4,000												

†The 'Typical Outdoor Data' represents the typical outdoor spore levels for the location and time frame indicated. The last column represents the frequency of occurrence. The very low, low, med, high, and very high values represent the 10, 20, 50, 80, and 90 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 20% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

* The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.
** These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

‡n = number of samples used to calculate data.

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Client: Hygiene Technologies International, Inc.
C/O: Mr. Larry Sandhu
Re: 21401001-1

Date of Sampling: 01-24-2014
Date of Receipt: 01-24-2014
Date of Report: 01-27-2014

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 21401001-1 TM14OUT:

Species detected	Outdoor sample spores/m3 (<100 / 1K / 10K / >100K)	Typical outdoor ranges (North America)	Freq. %
Alternaria	40	7 - 33 - 590	45
Ascospores	110	13 - 210 - 5,700	76
Basidiospores	370	15 - 450 - 24,000	92
Chaetomium	13	7 - 13 - 160	9
Cladosporium	3,100	27 - 480 - 10,000	90
Nigrospora	13	7 - 13 - 240	16
Penicillium/Aspergillus types	210	13 - 170 - 2,700	68
Rusts	13	7 - 20 - 360	20
Smuts, Periconia, Myxomycetes	80	7 - 53 - 930	64
Total	4,000		

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurence is 63%, it would mean that we typically detect the given spore type on 63 percent of all outdoor samples and, when detected, 2.5% of the time it is present in levels below 53 spores/m3.

Indoor Samples

Location: 21401001-1 TM15

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 9%	dF: 4 Result: 6.8333 Critical value: 9.4877 Inside Similar: Yes	Result: 0.3077	dF: 11 Result: 0.1023 Critical value: 0.5273 Outside Similar: No	Score: 106 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Cladosporium	320
Curvularia	13
Oidium	13
Smuts, Periconia, Myxomycetes	13
Total	360

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Re: 21401001-1

Date of Sampling: 01-24-2014
Date of Receipt: 01-24-2014
Date of Report: 01-27-2014

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21401001-1 TM16

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 4%	dF: 4 Result: 6.8333 Critical value: 9.4877 Inside Similar: Yes	Result: 0.4286	dF: 11 Result: 0.0909 Critical value: 0.5273 Outside Similar: No	Score: 111 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Alternaria	13
Cladosporium	110
Epicoccum	13
Oidium	13
Smuts, Periconia, Myxomycetes	13
Total	160

Location: 21401001-1 TM17

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 4 Result: 6.8333 Critical value: 9.4877 Inside Similar: Yes	Result: 0.1818	dF: 10 Result: 0.0545 Critical value: 0.5515 Outside Similar: No	Score: 108 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
Oidium	13
Smuts, Periconia, Myxomycetes	40
Total	53

Location: 21401001-1 TM18

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 4 Result: 6.8333 Critical value: 9.4877 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
None Detected	< 13

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Re: 21401001-1

Date of Sampling: 01-24-2014
Date of Receipt: 01-24-2014
Date of Report: 01-27-2014

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21401001-1 TM19

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 2%	dF: 4 Result: 6.8333 Critical value: 9.4877 Inside Similar: Yes	Result: 0.2000	dF: 9 Result: 0.6667 Critical value: 0.5833 Outside Similar: Yes	Score: 102 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Cladosporium	110
Total	110

* The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

** An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

*** The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

**** MoldSCORE™ is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. EMLab P&Kreserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor ranges" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. With the statistical analysis provided, as with all statistical comparisons and analyses, false-positive and false-negative results can and do occur. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the data contained in, or any actions taken or omitted in reliance upon, this report.

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Re: 21401001-1

Date of Sampling: 01-24-2014
Date of Receipt: 01-24-2014
Date of Report: 01-27-2014

MoldSCORE™: Spore Trap Report

Outdoor Sample: 21401001-1 TM14OUT

Fungi Identified	Outdoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3
Generally able to grow indoors*			
Alternaria		3	40
Bipolaris/Drechslera group		ND	< 13
Chaetomium		1	13
Cladosporium		59	3,100
Curvularia		ND	< 13
Nigrospora		1	13
Penicillium/Aspergillus types†		4	210
Stachybotrys		ND	< 13
Torula		ND	< 13
Seldom found growing indoors**			
Ascospores		2	110
Basidiospores		7	370
Rusts		1	13
Smuts, Periconia, Myxomycetes		6	80
Total			**4,000**

Location: 21401001-1 TM15

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		6	320		103
Curvularia		1	13		105
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Oidium		1	13		105
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		1	13		101
Total			**360**	**Final MoldSCORE**	**106**

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MoldSCORE™: Spore Trap Report

Location: 21401001-1 TM16

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		1	13		104
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		2	110		100
Curvularia		ND	< 13		100
Epicoccum		1	13		105
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Oidium		1	13		105
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		1	13		102
Total			**160**	**Final MoldSCORE**	**111**

Location: 21401001-1 TM17

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Oidium		1	13		105
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		3	40		108
Total			**53**	**Final MoldSCORE**	**108**

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Date of Receipt: 01-24-2014
Date of Report: 01-27-2014

MoldSCORE™: Spore Trap Report

Location: 21401001-1 TM18

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**N/A**	**Final MoldSCORE**	**100**

Location: 21401001-1 TM19

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		2	110		102
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**107**	**Final MoldSCORE**	**102**

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Re: 21401001-1

Date of Sampling: 01-24-2014
Date of Receipt: 01-24-2014
Date of Report: 01-27-2014

MoldSCORE™: Spore Trap Report

* The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.
** These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

†The spores of Aspergillus and Penicillium (and others such as Acremonium, Paecilomyces) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods.

‡Rated on a scale from 100 to 300. A rating less than 150 is low and indicates a low probability of spores originating inside. A rating greater than 250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A rating between 150 and 250 indicates a moderate likelihood of indoor fungal growth. MoldSCORE is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the analysis on other samples (like wall cavity samples) will lead to misleading results.

EMLab P&K
A TestAmerica Company

Report for:

Mr. Kenny Hsi, Mr. Larry Sandhu
Hygiene Technologies International, Inc.
3625 Del Amo Boulevard, Suite 180
Torrance, CA 90503-8370

Regarding: Project: 21401001-1
EML ID: 1165372

Approved by:

Technical Manager
Melissa Tracey

Dates of Analysis:
Spore trap analysis: 01-30-2014

Service SOPs: Spore trap analysis (1038)
AIHA-LAP, LLC accredited service, Lab ID #179768

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Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
Re: 21401001-1

Date of Sampling: 01-29-2014
Date of Receipt: 01-29-2014
Date of Report: 01-30-2014

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21401001-1 TM20 OUT		21401001-1 TM21		21401001-1 TM22		21401001-1 TM23	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	5272704-1		5272705-1		5272706-1		5272707-1	
Analysis Date:	01/30/2014		01/30/2014		01/30/2014		01/30/2014	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria								
Ascospores	4	210						
Basidiospores	5	270						
Chaetomium								
Cladosporium	9	480						
Epicoccum							1	13
Fusarium								
Myrothecium								
Nigrospora								
Oidium	6	80						
Other brown								
Other colorless								
Penicillium/Aspergillus types†	2	110						
Pithomyces								
Rusts	1	13						
Smuts, Periconia, Myxomycetes								
Stachybotrys	1	13						
Stemphylium								
Torula								
Ulocladium								
Zygomycetes								
Background debris (1-4+)††	2+		1+		2+		2+	
Hyphal fragments/m3	27		13		< 13		< 13	
Pollen/m3	170		< 13		< 13		< 13	
Skin cells (1-4+)	< 1+		< 1+		1+		1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		1,200		< 13		< 13		13

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".
§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

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Re: 21401001-1

Date of Sampling: 01-29-2014
Date of Receipt: 01-29-2014
Date of Report: 01-30-2014

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	21401001-1 TM24		21401001-1 TM25		21401001-1 TM26	
Comments (see below)	None		None		None	
Lab ID-Version‡:	5272708-1		5272709-1		5272710-1	
Analysis Date:	01/30/2014		01/30/2014		01/30/2014	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	1	13				
Ascospores						
Basidiospores						
Chaetomium						
Cladosporium	1	53	1	53		
Curvularia						
Epicoccum	1	13				
Fusarium						
Myrothecium						
Nigrospora						
Oidium						
Other brown			1	13		
Other colorless						
Penicillium/Aspergillus types†						
Pithomyces						
Rusts						
Smuts, Periconia, Myxomycetes						
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	2+		2+		2+	
Hyphal fragments/m3	< 13		< 13		< 13	
Pollen/m3	< 13		< 13		< 13	
Skin cells (1-4+)	1+		1+		1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		80		67		< 13

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".
§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

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Date of Sampling: 01-29-2014
Date of Receipt: 01-29-2014
Date of Report: 01-30-2014

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 21401001-1 TM20 OUT

Fungi Identified	Outdoor data	Typical Outdoor Data for: January in California† (n‡=15005)						Typical Outdoor Data for: The entire year in California† (n‡=199769)					
	spores/m3	very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	-	13	13	22	47	67	36	13	13	27	67	110	54
Bipolaris/Drechslera group	-	7	13	13	27	27	7	7	13	13	27	40	12
Chaetomium	-	7	13	13	27	40	10	8	13	13	27	47	19
Cladosporium	480	110	160	480	1,200	2,000	95	110	210	610	1,600	2,800	97
Curvularia	-	7	13	13	13	27	3	7	13	13	27	53	6
Epicoccum	-	7	13	13	27	53	13	8	13	13	33	53	19
Nigrospora	-	7	13	13	13	27	5	7	13	13	27	53	8
Other brown	-	13	13	13	33	53	30	13	13	13	40	53	34
Penicillium/Aspergillus types	110	53	110	230	620	1,000	85	53	100	210	590	1,000	84
Stachybotrys	13	10	13	13	40	93	3	7	13	13	33	67	4
Torula	-	10	13	13	40	53	5	8	13	13	40	67	12
Seldom found growing indoors**													
Ascospores	210	27	53	160	560	1,100	69	25	53	110	360	690	71
Basidiospores	270	53	110	480	2,300	4,800	94	53	80	270	990	2,300	93
Oidium	80	13	13	13	40	53	9	13	13	13	44	75	19
Rusts	13	8	13	13	40	67	14	13	13	13	53	80	26
Smuts, Periconia, Myxomycetes	-	13	13	27	67	110	58	13	13	40	110	210	68
§ TOTAL SPORES/m3	1,200												

†The 'Typical Outdoor Data' represents the typical outdoor spore levels for the location and time frame indicated. The last column represents the frequency of occurrence. The very low, low, med, high, and very high values represent the 10, 20, 50, 80, and 90 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 20% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

* The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.
** These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

‡n = number of samples used to calculate data.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, EMLab P&K may not have received and tested a representative number of samples for every region or time period. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.

EMLab P&K
880 Riverside Parkway, West Sacramento, CA 95605
(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: Hygiene Technologies International, Inc.
C/O: Mr. Kenny Hsi, Mr. Larry Sandhu
Re: 21401001-1

Date of Sampling: 01-29-2014
Date of Receipt: 01-29-2014
Date of Report: 01-30-2014

MoldSTAT™: Supplementary Statistical Spore Trap Report

Outdoor Summary: 21401001-1 TM20 OUT:

Species detected	Outdoor sample spores/m3 (<100 / 1K / 10K / >100K)	Typical outdoor ranges (North America)	Freq. %
Ascospores	210	13 - 210 - 5,700	76
Basidiospores	270	15 - 450 - 24,000	92
Cladosporium	480	27 - 480 - 10,000	90
Oidium	80	7 - 13 - 230	12
Penicillium/Aspergillus types	110	13 - 170 - 2,700	68
Rusts	13	7 - 20 - 360	20
Smuts, Periconia, Myxomycetes	< 13	7 - 53 - 930	64
Stachybotrys	13	7 - 13 - 550	3
Total	1,200		

The "Typical outdoor ranges" and "Freq. %" columns show the typical low, medium, and high spore counts per cubic meter and the frequency of occurrence for the given spore type. The low, medium, and high values represent the 2.5, 50, and 97.5 percentile values when the spore type is detected. For example, if the low value is 53 and the frequency of occurence is 63%, it would mean that we typically detect the given spore type on 63 percent of all outdoor samples and, when detected, 2.5% of the time it is present in levels below 53 spores/m3.

Indoor Samples

Location: 21401001-1 TM21

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 5 Result: 5.1429 Critical value: 11.0705 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
None Detected	< 13

Location: 21401001-1 TM22

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 5 Result: 5.1429 Critical value: 11.0705 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 (<100 / 1K / 10K / >100K)
None Detected	< 13

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MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21401001-1 TM23

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 1%	dF: 5 Result: 5.1429 Critical value: 11.0705 Inside Similar: Yes	Result: 0.0000	dF: 8 Result: 0.0060 Critical value: 0.6190 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Epicoccum	13
Total	13

Location: 21401001-1 TM24

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 6%	dF: 5 Result: 5.1429 Critical value: 11.0705 Inside Similar: Yes	Result: 0.2000	dF: 9 Result: 0.0583 Critical value: 0.5833 Outside Similar: No	Score: 110 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Alternaria	13
Cladosporium	53
Epicoccum	13
Total	80

Location: 21401001-1 TM25

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: 5%	dF: 5 Result: 5.1429 Critical value: 11.0705 Inside Similar: Yes	Result: 0.2222	dF: 8 Result: 0.2976 Critical value: 0.6190 Outside Similar: No	Score: 105 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
Cladosporium	53
Other brown	13
Total	67

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Date of Sampling: 01-29-2014
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Date of Report: 01-30-2014

MoldSTAT™: Supplementary Statistical Spore Trap Report

Location: 21401001-1 TM26

% of outdoor total spores/m3	Friedman chi-square* (indoor variation)	Agreement ratio** (indoor/outdoor)	Spearman rank correlation*** (indoor/outdoor)	MoldSCORE**** (indoor/outdoor)
Result: < 1%	dF: 5 Result: 5.1429 Critical value: 11.0705 Inside Similar: Yes	Result: 0.0000	dF: N/A Result: N/A Critical value: N/A Outside Similar: N/A	Score: 100 Result: Low

Species Detected	Spores/m3 <100 1K 10K >100K
None Detected	< 13

* The Friedman chi-square statistic is a non-parametric test that examines variation in a set of data (in this case, all indoor spore counts). The null hypothesis (H0) being tested is that there is no meaningful difference in the data for all indoor locations. The alternative hypothesis (used if the test disproves the null hypothesis) is that there is a difference between the indoor locations. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

** An agreement ratio is a simple method for assessing the similarity of two samples (in this case the indoor sample and the outdoor summary) based on the spore types present. A score of one indicates that the types detected in one location are the same as that in the other. A score of zero indicates that none of the types detected indoors are present outdoors. Typically, an agreement of 0.8 or higher is considered high.

*** The Spearman rank correlation is a non-parametric test that examines correlation between two sets of data (in this case the indoor location and the outdoor summary). The null hypothesis (H0) being tested is that the indoor and outdoor samples are unrelated. The alternative hypothesis (used if the test disproves the null hypothesis) is that the samples are similar. The null hypothesis is rejected when the result of the test is greater than the critical value. The critical value that is displayed is based on the degrees of freedom (dF) of the test and a significance level of 0.05.

**** MoldSCORE™ is a specialized method for examining air sampling data. It is a score between 100 and 300, with 100 indicating a greater likelihood that the airborne indoor spores originated from the outside, and 300 indicating a greater likelihood that they originated from an inside source. The Result displayed is based on the numeric score given and will be either Low, Medium, or High, indicating a low, medium, or high likelihood that the spores detected originated from an indoor source. EMLab P&Kreserves the right to, and may at anytime, modify or change the MoldScore algorithm without notice.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor ranges" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. With the statistical analysis provided, as with all statistical comparisons and analyses, false-positive and false-negative results can and do occur. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the data contained in, or any actions taken or omitted in reliance upon, this report.

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Re: 21401001-1

Date of Sampling: 01-29-2014
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Date of Report: 01-30-2014

MoldSCORE™: Spore Trap Report

Outdoor Sample: 21401001-1 TM20 OUT

Fungi Identified	Outdoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3
Generally able to grow indoors*			
Alternaria		ND	< 13
Bipolaris/Drechslera group		ND	< 13
Chaetomium		ND	< 13
Cladosporium		9	480
Curvularia		ND	< 13
Nigrospora		ND	< 13
Penicillium/Aspergillus types†		2	110
Stachybotrys		1	13
Torula		ND	< 13
Seldom found growing indoors**			
Ascospores		4	210
Basidiospores		5	270
Oidium		6	80
Rusts		1	13
Smuts, Periconia, Myxomycetes		ND	< 13
Total			**1,173**

Location: 21401001-1 TM21

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**N/A**	**Final MoldSCORE**	**100**

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MoldSCORE™: Spore Trap Report

Location: 21401001-1 TM22

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**N/A**	**Final MoldSCORE**	**100**

Location: 21401001-1 TM23

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Epicoccum		1	13		105
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**13**	**Final MoldSCORE**	**105**

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Date of Report: 01-30-2014

MoldSCORE™: Spore Trap Report

Location: 21401001-1 TM24

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		1	13		105
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		102
Curvularia		ND	< 13		100
Epicoccum		1	13		105
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**80**	**Final MoldSCORE**	**110**

Location: 21401001-1 TM25

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		1	53		102
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Other brown		1	13		105
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**67**	**Final MoldSCORE**	**105**

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Re: 21401001-1

Date of Sampling: 01-29-2014
Date of Receipt: 01-29-2014
Date of Report: 01-30-2014

MoldSCORE™: Spore Trap Report

Location: 21401001-1 TM26

Fungi Identified	Indoor sample spores/m3 <100 1K 10K >100K	Raw count	Spores/ m3	MoldSCORE‡ 100 200 300	Score
Generally able to grow indoors*					
Alternaria		ND	< 13		100
Bipolaris/Drechslera group		ND	< 13		100
Chaetomium		ND	< 13		100
Cladosporium		ND	< 13		100
Curvularia		ND	< 13		100
Nigrospora		ND	< 13		100
Penicillium/Aspergillus types†		ND	< 13		100
Stachybotrys		ND	< 13		100
Torula		ND	< 13		100
Seldom found growing indoors**					
Ascospores		ND	< 13		100
Basidiospores		ND	< 13		100
Rusts		ND	< 13		100
Smuts, Periconia, Myxomycetes		ND	< 13		100
Total			**N/A**	**Final MoldSCORE**	**100**

* The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.
** These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

†The spores of Aspergillus and Penicillium (and others such as Acremonium, Paecilomyces) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods.

‡Rated on a scale from 100 to 300. A rating less than 150 is low and indicates a low probability of spores originating inside. A rating greater than 250 is high and indicates a high probability that the spores originated from inside, presumably from indoor mold growth. A rating between 150 and 250 indicates a moderate likelihood of indoor fungal growth. MoldSCORE is NOT intended for wall cavity samples. It is intended for ambient air samples in residences. Using the analysis on other samples (like wall cavity samples) will lead to misleading results.

HYGIENE TECH
Hygiene Technologies International, Inc.

001157824

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90503-1643
(310) 370-8370
(310) 370-2474 FAX
www.hygienetech.com

Request For Analysis

Project Number/Purchase Order: 2140|001-1 Date Submitted: 1/9/14

Project Contact: L. Sandhu (L.hSi Turnaround Required: Normal

Lab Destination: EMLAB Lab Contact: Sample Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
2140\001-1 TM01	75L	Air-O-Cell	Spore Trap Analysis (Trending)
2140\001-1 TM02	75L	↓	↓
2140\001-1 TM03	75L		
2140\001-1 TM04	75L		
2140\001-1 TM05	75L		
2140\001-1 TM06	75L		
2140\001-1 TM07	75L	↓	↓

Special Instructions: Random Sampling (CR-1)

1. Sampled by: L. Sandhu on 1/8/14 @ 15:45 Received by: L. Sandhu 1/9/14 @ 12:13
2. Relinquished by: L. Sandhu on 1/9/14 @ 12:00 Received by: _____
3. Relinquished by: _____ Received by: _____

Please include signature, date, and time

Lab Use Only:

HYGIENE TECH
Hygiene Technologies International, Inc.
3625 Del A
Torran
(310) 370-8370
(310) 370-2474 FAX
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001161045

Request For Analysis

Project Number/~~Purchase Order~~: 2140100(-1) Date Submitted: 1/17/14

Project Contact: L. Sandhu / K. Si Turnaround Required: Normal

Lab Destination: EMLAB P&K Lab Contact: Sample Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
2140100(-1-TM08	75L	Air-O-Cell	Spore Trap Analysis
2140100(-1-TM09	75L	Air-O-Cell	
2140100(-1-TM10	75L	Air-O-Cell	
2140100(-1-TM11	75L	Air-O-Cell	
2140100(-1-TM12	75L	Air-O-Cell	
2140100(-1-TM13	75L	Air-O-Cell	

~~Special Instructions~~: (2 FedEx's) Random Sampling (R-2)

1. **Sampled by:** Sandhu on 1/14/14 @ 09:56 **Received by:** Wed 12:22 pm 1/17/14
2. **Relinquished by:** Sandhu on 1/17/14 @ 12:10 **Received by:**
3. **Relinquished by:** **Received by:**

Please include signature, date, and time

Lab Use Only:

HYGIENE TECH

Hygiene Technologies International, Inc.

3625 D
Torr

001163853

(310) 370-2474 FAX
www.hygienetech.com

Request For Analysis

Project Number/~~Purchase Order~~: 2140100[1]-1 Date Submitted: 1/24/14

Project Contact: L-Sandhu/K-Hsi Turnaround Required: Normal

Lab Destination: EMLAB PBK Lab Contact: Sample Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
2140100[1]-1 TM14	75L	Micro-cell	Spore Trap Analysis (Bacteria/Fungi)
2140100[1]-1 TM15	75L	↓	↓
2140100[1]-1 TM16	75L		
2140100[1]-1 TM17	75L		
2140100[1]-1 TM18	75L		
2140100[1]-1 TM19	75L		

~~Special Instructions~~: Random Sampling (CR-3)

1. **Sampled by:** [illegible] on 1/24/14 @ [illegible] **Received by:** [illegible] 01/24/14 1050AM
2. **Relinquished by:** [illegible] on 1/24/14 @ 16:52 **Received by:** _____
3. **Relinquished by:** _____ **Received by:** _____

Please include signature, date, and time

Lab Use Only:

HYGIENE TECH
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(310) 370-2474 FAX
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Request For Analysis

Project Number/~~Purchase Order~~: 2140100l--1 Date Submitted: 1/29/14

Project Contact: L Sandhu / Kihsi Turnaround Required: Normal

Lab Destination: EMLAB P&K Lab Contact: Sample Receiving

SAMPLE ID	VOLUME	MEDIA	ANALYSIS REQUESTED
2140100l-1TM20OUT	75L	Air-o-Cell	Spore Trap Analysis (Total Fungi)
2140100l-1 TM21	75L	Air-o-Cell	
2140100l-1 TM22	75L	Air-o-Cell	
2140100l-1 TM23	75L	Air-o-Cell	
2140100l-1 TM24	75L	Air-o-Cell	
2140100l-1 TM25	75L	Air-o-Cell	
2140100l-1 TM26	75L	Air-o-Cell	

~~Special Instructions~~: Random Sampling (Round 2-4)

1. **Sampled by:** [illegible] 1/29/14 @ 09:08 **Received by:** [illegible] 1/27/14
2. **Relinquished by:** [illegible] 1/29/14 @ 12:00 **Received by:**
3. **Relinquished by:** **Received by:**

Please include signature, date, and time

Lab Use Only: